

Amendments to the Claims

1. (Cancelled).

2. (Currently Amended): A ball sizer for a paint-ball gun, comprising:

a bore, the bore having an entrance;

the entrance to the bore having a chamfer; and,

the chamfer having a smooth transition from the entrance to the bore of the sizer,

~~The ball sizer of claim 1~~—where the smooth transition of the chamfer defines a
 non-circular section of a parabola.

3. (Currently Amended): The ball sizer of claim 1 + 2 where the smooth transition of
the chamfer defines a section of a ~~circle~~ parabola.

4. (Currently Amended): The ball sizer of claim 1 + 2 where the smooth transition of
the chamfer comprises a first part defining a straight line; and a second part defining a
curve.

5. (Original): The ball sizer of claim 4 where the curve of the second part defines a
section of a parabola.

6. (Original): The ball sizer of claim 4 where the curve of the second part defines a
section of a circle.

7. (Cancelled).

8. (Currently Amended): A ball sizer for a paint-ball gun, comprising:

a bore, the bore having an exit;

the exit to the bore having a chamfer; and,

the chamfer having a smooth transition from the bore to the exit of the sizer. The ball sizer of claim 7, where the smooth transition of the chamfer defines a non-circular section of a parabola.

9. (Currently Amended): The ball sizer of claim 7 8 where the smooth transition of the chamfer defines a section of a ~~circle~~ parabola.

10. (Currently Amended): The ball sizer of claim 7 8 where the smooth transition of the chamfer comprises a first part defining a straight line; and a second part defining a curve.

11. (Original): The ball sizer of claim 10 where the curve of the second part defines a section of a parabola.

12. (Original): The ball sizer of claim 10 where the curve of the second part defines a section of a circle.